

What is claimed is:

1. A digital mixer apparatus for performing mixing processing on sound signals to output mixed sound signals, said apparatus comprising:

a plurality of input channels each arranged to receive a sound signal;

a plurality of buses each arranged to perform mixing processing on the sound signals input thereto from one or more of said plurality of input channels and thereby output mixed sound signals;

a plurality of bus selecting operators provided in corresponding relation to said plurality of buses, each of said bus selecting operators selecting a corresponding one of said buses in response to operation thereof;

a plurality of channel-specific send operators provided in corresponding relation to said plurality of input channels, each of said channel-specific send operators controlling a level of the sound signal to be delivered from a corresponding one of said input channels to the selected bus;

a plurality of channel-ON operators provided in corresponding relation to said plurality of input channels, each of said channel-ON operators turning on/off the sound signal to be passed through a corresponding one of said input channels and having a display that displays a signal ON/OFF state of the corresponding input channel;

a send ON/OFF section that turns on/off delivery of the sound signals from said input channels to said buses for each of combinations of said input channels and said buses; and

a control section that, while any one of said plurality of bus selecting operators is being operated beyond a predetermined time period, causes the displays of said channel-ON operators to display ON/OFF states, in said send ON/OFF section, of the delivery of the sound signals from the input channels, corresponding to said channel-ON operators, to the bus corresponding to the

one bus selecting operator.

2. A digital mixer apparatus for performing mixing processing on sound signals to output mixed sound signals, said apparatus comprising:

a plurality of input channels each arranged to receive a sound signal;

a plurality of buses each arranged to perform mixing processing on the sound signals input thereto from one or more of said plurality of input channels and thereby output mixed sound signals;

a plurality of bus selecting operators provided in corresponding relation to said plurality of buses, each of said bus selecting operators selecting a corresponding one of said buses in response to operation thereof;

a plurality of channel-specific send operators provided in corresponding relation to said plurality of input channels, each of said channel-specific send operators controlling a level of the sound signal to be sent from a corresponding one of said input channels to the bus selected via said bus selecting operator;

a plurality of channel-ON operators provided in corresponding relation to said plurality of input channels, each of said channel-ON operators turning on/off the sound signal to be passed through a corresponding one of said input channels and having a display that displays a signal ON/OFF state of the corresponding input channel;

a send ON/OFF section that turns on/off delivery of the sound signals from said input channels to said buses for each of combinations of said input channels and said buses; and

a control section that, while any one of said plurality of bus selecting operators is being operated beyond a predetermined time period, changes, in response to operation of any one of said channel-ON operators, the ON/OFF state, in said send ON/OFF section, of the delivery of the sound signal from

the input channel, corresponding to the one channel-ON operator, to the bus corresponding to the one bus selecting operator.

3. A digital mixer apparatus for performing mixing processing on sound signals to output mixed sound signals, said apparatus comprising:

- a plurality of input channels each arranged to receive a sound signal;

- a plurality of layer operators provided in corresponding relation to a plurality of layers provided by dividing said plurality of input channels into groups each comprising a predetermined number of the input channels, each of said layer operators selecting, in response to operation thereof, the predetermined number of the input channels belonging to a corresponding one of said layers;

- a first bus that performs mixing processing on the sound signals input thereto from selected ones of said plurality of input channels and thereby outputs mixed sound signals;

- a predetermined number of first level operators to which are allocated the predetermined number of the input channels selected via said layer operator, each of said first level operators adjusting, in response to operation thereof, delivery levels of the sound signals to be delivered from the input channels allocated thereto to said first bus;

- a plurality of second buses that perform mixing processing on the sound signals input thereto from selected ones of said plurality of input channels and thereby output mixed sound signals;

- a plurality of bus selecting operators provided in corresponding relation to said plurality of second buses, each of said bus selecting operators selecting a corresponding one of said second buses in response to operation thereof;

- a predetermined number of second level operators to which are

allocated the predetermined number of the input channels selected via said layer operator, each of said second level operators adjusting, in response to operation thereof, delivery levels of the sound signals to be delivered from the input channels allocated thereto to said second bus selected via said bus selecting operator; and

a control section that, in response to operation of any one of said plurality of bus selecting operators during continued operation of any one of said plurality of layer operators, copies, as the delivery levels, set via said second level operator, of the signals to be delivered from the predetermined number of the input channels set via said second level operator to said second bus corresponding to the one bus selecting operator, the delivery levels, set via said first level operator, of the signals to be delivered from the predetermined number of the input channels, corresponding to the one layer operator, to said first bus.